



Defense Information Systems Agency

A Combat Support Agency

DoD Discovery Metadata Specification (DDMS) *Update*

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July 14, 2011

Agenda

- **Introduction**
- **DDMS 3.1**
- **DDMS 4.0 and Open CRs**
- **DDMS Links**

Introduction

- **“The Department of Defense Discovery Metadata Specification (DDMS) defines discovery metadata elements for resources posted to the community and organizational shared spaces.” [DDMS]**
- **DDMS use by DOD is required by CJCSI 6212.01E Interoperability and supportability of information technology and national security systems**
- **DDMS use and extension is addressed by DoD 8320.02-G, Guidance for implementing Net-Centric data sharing**

DDMS 3.1

Title:	Department of Defense Discovery Metadata Specification
Creator:	Office of the Assistant Secretary of Defense, Networks and Information Integration, Information Management.
Identifier:	http://metadata.dod.mil/mdr/ns/DDMS/3.1/
Date Issued:	June 30, 2011
Schema:	https://metadata.ces.mil/mdr/ns/DDMS/3.1/DDMS-v3.1.xsd
Specification:	Department of Defense Discovery Metadata Specification, Version 3.1
Latest Package:	Department of Defense Discovery Metadata Specification, Version 3.1 Specification, XML Schema, Release Notes, and Sample instance documents.
Document Status:	Approved
Description:	The Department of Defense Discovery Metadata Specification defines discovery metadata elements for resources posted to community and shared spaces.
Date Valid:	June 30, 2011

- **Implements DDMS_CR_2011-1, DDMS_CR_2011-2, DDMS_CR_2011-3, and DDMS_CR_2011-5**
- **Supports IC-ISM.XML V5**
- **Includes comprehensive specification and Web Site revisions in addition to a schema restructuring that makes updates to new versions of the ISM easier**
- **The ISM update required establishment of a new namespace specific to DDMS 3.1**

DDMS 4.0

- **PEO-GES and the DNI CIO agreed to work to align the DDMS and Information Resource Metadata (IRM) specification during the April Metadata Working Group**
- **DDMS Change Requests 4, 6, 7, 8, 9, 10, 11, 12, and 13 were introduced to align the elements and attributes between the DDMS and the Information Resource Metadata (IRM) Specification version 3**
- **IRM V5 is currently in draft with additional elements and attributes defined**
- **The current open CRs are summarized on the following charts, followed by other changes required beyond those CRs**

Open DDMS CRs

DDMS and IRM Convergence Focus

DDM S_CR - 2011	Focus	Obligation	Securable	Complexity
4	Add Activity element with activityType attribute	Optional	Required	Low
6	Add IntelType element with subelements	Optional	Required	Significant
7	Add NoticeList with subelements from IC-ISM	Optional	Required	Medium
8	Add ProductionMetricsList element with subelements	Optional	Required	Medium
9	Add ProductLine element	Optional	Required	Low

Open DDMS CRs

DDMS and IRM Convergence Focus

DDM S_CR_ 2011 -	Focus	Obligatio n	Securabl e	Complexi ty
11	Add RecordsManagemen tInfo element with subelements	Optional	Required on a subeleme nt	Medium
12	Add RevisionRecall element with subelements	Optional	Required	Significant
13	Add TaskingInfoList with subelements from IC-ISM	Optional	Required	Significant

- **Voting Period End: July 29, 2011**
- **Suggested Release Date: August 31, 2011**

Other Open DDMS CRs

DDM S_CR_ 2011 -	Focus	Obligatio n	Securabl e	Complexi ty
14	Change the DDMS namespace to the new top-level domain ces.mil	N/A	N/A	Low

- **Impact: Significant - Impacts all schemas, documentation, and examples - not backward compatible**
- **Version Change: Major version release - v4.0**
- **Voting Period End: July 29, 2011**
- **Suggested Release Date: August 31, 2011**

DISA Additional DDMS and IRM A Combat Support Agency **Convergence Changes**

- **Additional optional elements to be added to DDMS (CountryCodeCoverageList, NonStateActorCoverageList, ProcessingInfoList, SubCountryCodeCoverageList)**
- **Additional optional attributes to be added to several existing DDMS elements (dates, countryCode, creator, publisher, contributor, pointOfContact)**
- **Optional inclusion of NeedToKnow (NTK)**
- **Migration from a limited xlink profile to the full XLink.xml schema (Xlink 1.1 schema file)**
- **Migration to ISM v7, currently draft and only available in FOUO form**
- **Documented in a new CR DDMS_CR_2011_15**

Metacard Element and Attribute Packaging

- IRM requires the ability to specify elements and attributes that describe the metacard itself, in addition to those which describe the target resource
- Some of the elements that describe the metacard also are used to describe the target resource
- Root elements can be reused inside another element
 - DDMS does not currently have an element that contains metadata about the metacard, only root attributes
 - Two alternative approaches were identified
 - Adding a new root DDMS element *metacardInfo*, that will contain all metadata about the metacard (classification, metacard publication info, dates, etc.) **PREFERRED APPROACH**
 - Adding a new root DDMS element for metadata about the metacard PLUS a new root DDMS element for metadata about the resource being described (current IRM approach)

Change Request Summary

- **CR Voting should start about 19 July and end 29 July**
- **Participation across the Metadata community is requested - this vote impacts all DDMS implementors**
- **Implementation expected by 31 August - Very aggressive schedule to meet IC needs**
- **If approved, DDMS 4.0 will remove the metadata gap between DoD and IC metadata publishers**

DDMS Links

- **You can find out more about the DDMS at:**
<http://metadata.ces.mil/mdr/irs/DDMS/>.
 - This site contains the most up-to-date information on the DDMS, including visibility into the current configuration management items.
- **The DDMS Specification and XML Schema are available on the Metadata Registry at:**
https://metadata.ces.mil/mdr/ns/DDMS/3.0/DDMS_v3.0.1.zip
 - There have been over 76,000 hits to DDMS download pages since the DDMS has been published to the Metadata Registry!
- **Affecting and changing the DDMS**
 - There is a process for submitting a Change Request that is described at:
https://metadata.ces.mil/mdr/irs/DDMS/cm/RFC_Process.html
 - Alternatively you can contact ddms@fgm.com and we will assist you in navigating the process.

Questions?

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